



**AGENDA**  
**St. Lucie River Watershed**  
**Research and Water Quality Monitoring Plan**  
**Working Team Meeting #5**

**Friday March 28, 2008**  
**10:00 AM – 12:00 Noon**

**SFWMD Martin/St. Lucie Service Center**  
**780 Southeast Indian Street**  
**Stuart, FL 34997**  
**(772) 223-2600**

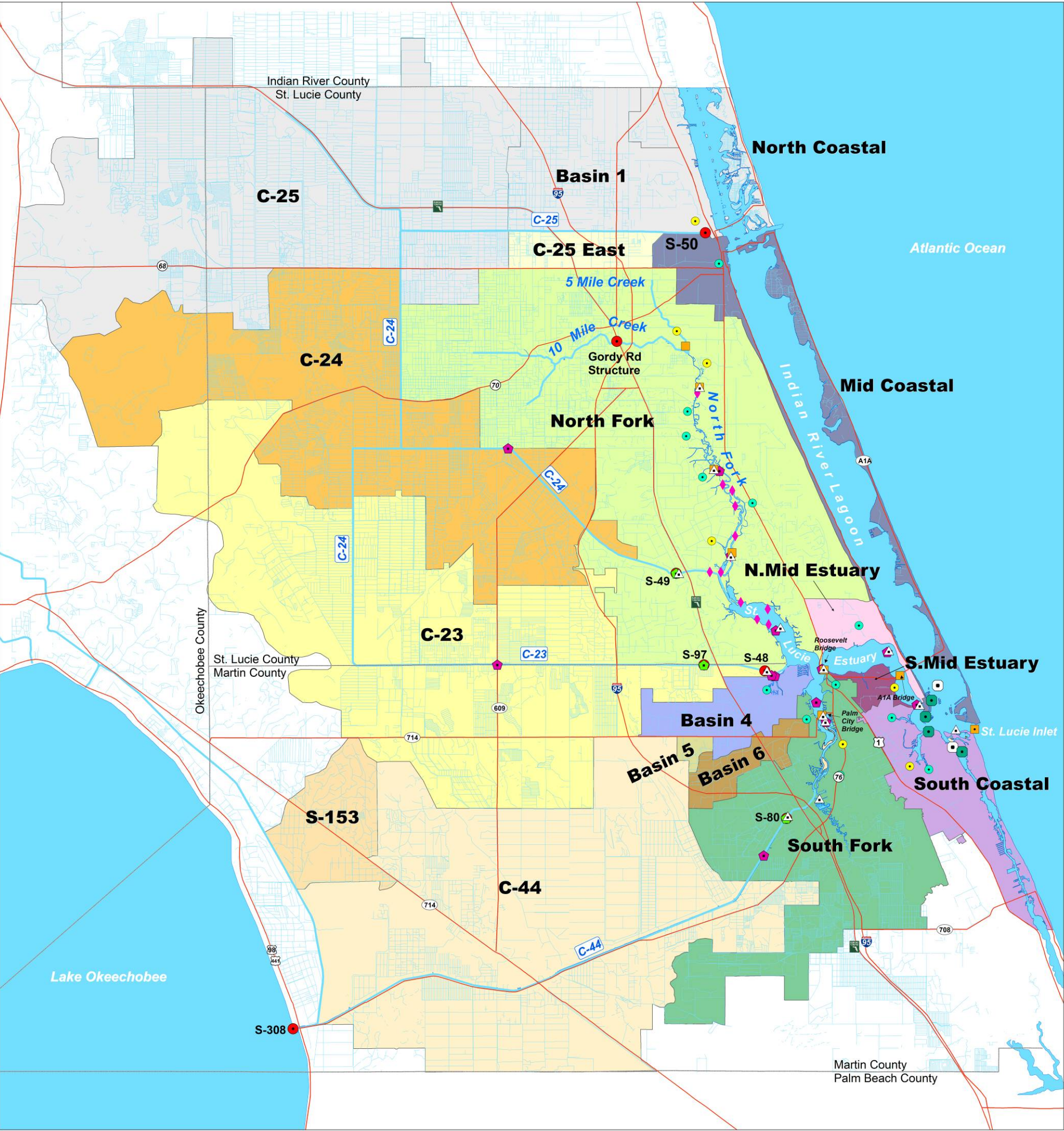
**Call-in number:**  
**Cisco Meeting Place: 6700**  
**Local S.F.W.M.D.: 561-682-6700**  
**Nationwide Toll Free: 866-433-6299**  
**Meeting Id: 3117**

- 1 Introduction and Opening Remarks
- 2 Update
- 3 Presentation: Existing Water Quality Monitoring Inventory
- 4 Discussion: Assessment of Existing Long-Term Monitoring Systems
- 5 Public Comment Period\*
- 6 Closing Remarks/Action Items

\* As time permits, a brief Public Comment Period will be held at this point in the agenda.

St. Lucie River Watershed Existing Water Quality Monitoring Inventory					
Organization	Number of Stations	Location	Frequency	Period	Analytes
SFWMD/WQM	5 (Fixed)	SLE Watershed District Structures	Monthly for WQ, Daily for flow	1982 - Present	Temp, pH, Cond, DO, CR, Mg, NH <sub>4</sub> , NO <sub>x</sub> , TKN, PO <sub>4</sub> , TotAS, TotCU, TP04 TSS, Turb, Flow
SFWMD/SE	13 (Fixed)	SLE	Monthly	1991 - Present	TP, TKN, NO <sub>x</sub> , NH <sub>4</sub> , NO <sub>2</sub> , oPO <sub>4</sub> , Color, Pheo., TSS, VSS, Turb, Chla, Cha2, Light Attenuation, Salinity, DO, pH, Temp., Depth, Secchi
SFWMD/SLT	19; Flow (12), Rainfall (8)	SLE Tributary including North Fork, South Fork, Bessey Creek, & Danforth Creek Basins	Water Quality- <u>Biweekly</u> Flow/Rain - <u>Continuous</u>	2001 - Present	Temp, pH, Cond, DO, CR, Mg, NH <sub>4</sub> , NO <sub>x</sub> , TKN, TotAS, TotCU, TPO4 TSS, Turb, Flow, Rain
SFWMD	8 (In-situ)	SLE	15 minutes	1997 - Present	Near surface and bottom conductivity/salinity and temperature with water level, velocity, and DO at some stations
SFWMD	5 (Event)	St. Lucie when blue-green algae is present	As required	2005 - Present	Chl-a, microcystin
FDEP	16 (Fixed); 3 (In-situ)	SLE & Watershed	Monthly	3/2008 - 4/2008	10 Estuary sites; 6 Upland sites; BOD, CBOD, Alkalinity, NH <sub>4</sub> , Chl-a, Color, NO <sub>x</sub> , oPO <sub>4</sub> , TKN, TP, TDS, TOC, TSS, and Turb., In-situ at 3 stations (DO, pH, Specific Conductivity, Temp., Depth)
St. Lucie County	14 (Fixed)	SLE & Tributary	Monthly	2005 - Present	Fecal Coliform, Enterococci, Salinity, Temp, DO, pH and Nutrients may be added TBD
UF/IFAS	22 (Fixed)	Watershed (Primarily Citrus Land Use)	Biweekly	2002 - 2005	CU, TP, DO, TSS, TN, pH, EC, oPO <sub>4</sub> , TP, Rainfall, Depth, Flow





# St. Lucie Estuary Primary Basins and Monitoring Sites

\* C-25, Basin 1, and North Coastal Drainage Basins Flow directly into the Indian River Lagoon

- SFWMD WQM Sites
- SFWMD St. Lucie Urban Tributary Monitoring (SLT)
- SFWMD St. Lucie Urban Tributary Monitoring With Flow (SLT)
- △ SFWMD St. Lucie Estuary Water Quality Monitoring (SE)
- ◆ St. Lucie County Monitoring Sites
- ◆ FDEP Monitoring Monthly Grabs (Proposed)
- ◆ FDEP Monitoring In Situ (Proposed Sites)
- ◆ SFWMD Oyster Monitoring Sites
- USGS/SFWMD Stage and Salinity Recorders
- FDEP/SFWMD Stage and Salinity Recorders
- SFWMD Seagrass Monitoring Sites
- St. Johns River Water Management District (SJRMD) Seagrass Monitoring Sites

